BRUHAT BANGALORE MAHANAGARA PALIKE
EXCECUTIVE ENGINEER DASARAHALLI PROJECT DIVISION

Name of work:Construction of Out Door Stadium (phase-1) Sy No.33 in Ward No.13

JOB NUMBER.: | **SI-9** | **Est. Amount =** | **150.00** | **Lakhs**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB 200-8. **Clearing and grubbing road** land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (Item No.18.11, Page No.136, SR:2016-17)								
	Ground Area	Sqm	1	76.88	97.50		7495.80		
						Total Qty	**7495.80**	**6.48**	**48572.78**
2	Excavation in Soil with Dozer KSRRB M300-11. Excavation for road way in all types of soil by mechanical cum means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 301 (Item No.19.11, Page No.143, SR: 2016-17)								
	Ground Area	Cum	1	76.88	97.50	0.15	1124.37		
						Total Qty	**1124.37**	**73.44**	**82573.73**
3	KSRB 2-1.1 : Earthwork in surface excavation in Soft soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavatedsurface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a)/2.3.1 (Item No.2.2, Page No.5, SR: 2016-17)								
	Ground Area	Cum	1	76.88	97.50	1.55	11618.49		
						Total Qty	**11618.49**	**269.56**	**3131880.16**
4	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / ChapterPage no -149.Item.No 19.64 of KPWD S.R 2016-17)								
	Out door								
	Fountain Platform Area	Sqm	1	76.88	97.50		7495.80		
						Total Qty	**7495.80**	**5.40**	**40477.32**
5	KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with ail lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications, including cost of earth, watering charges & compaction by vibratory roller to 97% of proctors density)MORTH Specification No. 305 (Item No.19.62, Page No.148, SR: 2016-17)								
	Out door								
	Filling	Cum	1	76.88	97.50	0.97	7270.93		
						Total Qty	**7270.93**	**357.48**	**25,99,210.63**
6	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.-142 I.No-19.1 of KPWD S.R 2016-17)								
	For CC Drain								
	North Side	Cum	1	66.00	1.05	1.10	76.23		
	For Gallery Steps								
	West Side		1	86.00	1.50	0.75	96.75		
	South Side		1	70.60	2.50	0.75	132.38		
			4	11.60	0.80	0.30	11.14		
	East Side		1	72.00	2.90	0.85	177.48		
	Culvert		2	7.90	1.80	1.00	28.44		
						Total Qty	**522.41**	**188.56**	**98505.82**

Scanned by CamScanner

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	KSRB-3.2: Providing and **injecting chemical emulsion** for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier underand around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (I.tem No.3.2 Page No.9 SR:2016-17)								
	Out door								
	For Gallery Steps								
	West Side	Sqm	1	86.00	1.60		137.60		
	South Side		1	70.60	2.25		158.85		
			4	11.60	0.85		39.44		
	East Side		1	72.00	2.90		208.80		
			1	72.00	1.60		115.20		
						Total Qty	**659.89**	**111.24**	**73406.16**
8	KSRB 4-1.2 : Providing and laying in position plain **cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892Cum and fine aggregates @ 0.465Cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 (Page No. 12, It No. 4.2 of KPWD S.R 2016-17)								
	For CC Drain								
	North Side	Cum	1	66.00	1.05	0.15	10.40		
	For Gallery Steps								
	West Side		1	86.00	1.50	0.150	19.35		
	South Side		1	70.60	2.50	0.125	22.06		
			4	11.60	0.80	0.125	4.64		
	East Side		1	72.00	2.90	0.125	26.10		
	Culvert		2	7.90	1.80	0.150	4.27		
						Total Qty	**86.81**	**5449.68**	**473105.79**
9	KSRB 4-6.4: Providing and **removing centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2.(Page No.-15 I.No-4.31 of KPWD S.R 2016-17)								
	For CC Drain								
	North Side	Sqm	4	66.00		0.90	237.60		
	Culvert		8	7.90		0.60	37.92		
						Total Qty	**275.52**	**316.44**	**87185.55**
10	KSRB 4.9.2 : Providing **T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of the Engineer-in-charge. Specification No. KBS 4.6.3(Item no: 4.46.2, Page no: 17 of KPWD S.R 2016-17).								
	Out door								
	Steel	Tonne	1	6.66			6.66		
	One cubic mt 60kg For CC Drain					**Total Qty**	**6.66**	**65455.56**	**4,35,610.02**

Scanned by CamScanner

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
11	Providing and laying **cement concrete** using 20mm and down size granite coarse aggregates and fine aggregates of ready mix concrete(RMC) for RCC works laid in 15 cms thick layers and well conpacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exlusive of cost of steel and fabrication charges) Ready mix concrete M-20 for raft foundation, coulmn and footing, main ans secondary beams.(Page No.-18 I.No-4.48 of KPWD S.R 2016-17)								
	Out door								
	For CC Drain Raft								
	North Side	Cum	1	66.00	0.90	0.15	8.91		
	For Wall		2	7.90	1.40	0.250	5.53		
	For CC Drain Wall								
	North Side		2	66.00	0.15	0.90	17.82		
	Culvert		4	7.90	0.25	0.60	4.74		
	For Gallery Steps								
	West Side		1	86.00	1.50	0.150	19.35		
	South Side		1	70.60	2.25	0.150	23.83		
			4	11.60	0.80	0.125	4.64		
	East Side		1	72.00	2.90	0.125	26.10		
						Total Qty	**110.92**	**6349.32**	**704250.70**
12	Providing and laying pre-cast **drain cover slab** of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}								
	Out door								
	For CC Drain Raft								
	North Side	Sqm	1	66.00	0.90		59.40		
						Total Qty	**59.40**	**1905.00**	**113157.00**
13	Providing and Fixing **pre cast covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge								
	Out door								
	Top Covering Slab	Sqm							
	Culverts		2	7.90	1.50		**23.70**	**4743.00**	**112409.10**
14	KSRB 5.2-2 : Providing and constructing **granite / trap / basalt size stone masonry** in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (I.tm No.5.6, P.No.23, SR:2016-17)								
	Out door								
	For Gallery Steps								
	West Side	Cum	1	86.00	1.50	1.05	135.45		
			1	86.00	0.60	0.45	23.22		
	South Side		1	70.60	2.25	1.05	166.79		
			1	70.60	1.50	0.55	58.25		
			1	70.60	0.75	0.45	23.83		
			4	11.60	0.85	0.60	23.66		
			4	11.60	0.80	0.55	20.42		
	East Side		1	72.00	2.90	1.10	229.68		
			1	72.00	1.60	0.40	46.08		
						Total Qty	**727.38**	**4521.96**	**3289160.66**

Scanned by CamScanner

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
15	KSRB 4-1.6 ; Providing and laying in position plain **cement concreteof mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No. 12, It No. 4.6 of KPWD S.R 2016-17)								
	Out door								
	SSM Foundation Steps								
	Copping								
	West Side	Cum	1	86.00	0.75	0.10	6.45		
			1	86.00	0.60	0.10	5.16		
	South Side		3	70.60	0.75	0.10	15.89		
			4	11.60	0.85	0.10	3.94		
	East Side		1	72.00	0.70	0.10	5.04		
			1	72.00	1.60	0.10	11.52		
	North Side		1	66.00	1.00	0.10	6.60		
						Total Qty	**54.60**	**5876.28**	**320839.01**
16	KSRB 2.3: **Filling available excavated earth** (excluding rock) in sides cum of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9 (I.tem No.2.10 Page No.6 SR:2016-17)								
	Out door								
	50% of Total Earth Excavation	Cum							
						Total Qty	**81.61**	**137.16**	**11193.63**
17	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.								
	Out door								
	SSM Foundation Steps								
	Copping								
	West Side	Cum	1	86.00	2.85		245.10		
	South Side		1	70.60	3.70		261.22		
			1	11.60	4.70		54.52		
	East Side		1	72.00	2.95		212.40		
	North Side		1	66.00	1.00		66.00		
			1	5.00	0.75		3.75		
						Total Qty	**842.99**	**2040.12**	**1719800.76**
18	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification								
	Out door								
	SSM Foundation Steps								
	Copping								
	West Side	Cum	2	86.00			172.00		
	South Side		3	59.00			177.00		
			7	11.60			81.20		
	East Side		2	72.00			144.00		
	North Side		1	66.00			66.00		
						Total Qty	**640.20**	**170.64**	**109243.73**
								Total Constrution cost	**134,50,582.56**
								Design Report,Proof Checking & PMC Amount	**3,36,264.56**
								KRDL Charges	**12,10,552.43**

Scanned by CamScanner

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
								Sub Total	149,99,036.41
								Miscellaneous & Rounding Off	963.59
								Grand Total	150,00,000.00

Certificate:-

1. The work spot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS BANGALORE-90

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No-13
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

Executive Engineer
Dasrahalli Project Division
BBMP - Bangalore

ನಂ: 22/17-18 ದಿನಾಂಕ: 24/11/2017
ರೂ: one crore fifty Lac only/- 1,50,00,000/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯ ನಿರ್ವಹಣಾಧಿಕಾರಿಗಳು
ಯೋಜನಾ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬಿಬಿಎಂಪಿ

ನಂ. CE/TS/272/17-18 ದಿನಾಂಕ : 28/11/2017
ರೂ. Rs. 150.00 lakhs only/-
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಲಾಗಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಪಿ
ದಾಸರಹಳ್ಳಿ ವಲಯ

Scanned by CamScanner